

Master 2.19**Extra Practice 2****Lesson 2.2: Developing Rules to Multiply Integers**

1. Find each product. Then extend each pattern for three more rows. Tell how you did it.

a) $(+4) \times (+1) =$

b) $(+1) \times (+5) =$

$(+4) \times (0) =$

$(0) \times (+5) =$

$(+4) \times (-1) =$

$(-1) \times (+5) =$

$(+4) \times (-2) =$

$(-2) \times (+5) =$

2. **a)** When is the product of two integers positive?

- b)** When is the product of two integers negative?

3. Find each product.

a) $(+2)(-9)$

b) $(-2)(-6)$

c) $(+7)(-2)$

d) $(-3)(+4)$

e) $(-1)(-1)(-1)$

f) $(-1)(+5)(-1)(+5)$

4. Find each product.

a) $(+15) \times (+22)$

b) $(+20)(-43)$

c) $(-34) \times (-27)$

d) $(-62)(+11)$

e) $(+18) \times (-67)$

f) $(-31)(-52)$

5. Use these integers: $-1, +6, -8, +3, -2$

- a)** Which two integers have the greatest product?

- b)** Which two integers have the least product?

Justify your answers.